

04645.1002

"Express Mail" mailing label

Number EF380105805US

Date of Deposit December 12, 2001

I hereby Certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the U.S Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

Barbara Haggerty

Name

Barbara Haggerty

Signature



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Application Of: Muffoletto et al.

For: Electrochemical Cell Having A Physical Vapor Deposited  
Electrode And Method Of Manufacture

the specification of which is being transmitted herewith.

Assistant Commissioner of Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**  
**Pursuant to 37 CFR 1.56**

1. Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

The filing of this Information Disclosure Statement (IDS) shall not be construed as a representation that a search has been made (37 CFR 1.56(g)), an admission that the information cited is, or is considered to be material to patentability or that no other material information exists.


IDS For: Electrochemical Cell Having A Physical Vapor  
Deposited Electrode And Method Of Manufacture  
Inventor: Muffoletto et al.

The filing of this IDS shall not be construed as an admission against interest in any manner (Notice of Jan. 9, 1992, 1135 O.G. 13-25, at 25).

2. Attached is Form PTO-1449. Legible copies of all items listed accompany this IDS.

3. The person making this statement is the agent who signs below, who makes this statement on the information supplied by the inventors and the information in the agent's file.

Respectfully Submitted,

By:   
Michael F. Scalise  
Reg. No. 34,920

HODGSON RUSS LLP  
One M&T Plaza - Suite 2000  
Buffalo, New York 14203-2391  
(716) 856-4000  
December 12, 2001

Please type a plus sign inside this box +

PTO/SB/08A(08/00)

Approved for use through 10/31/2002, OMB 0651-0031

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	3	of	4	Application Number	
				Filing Date	12/12/2001
				First Named Inventor	Muffoletto et al.
				Group Art Unit	1745
				Examiner Name	A. Martin
				Attorney Docket Number	04645.1002

12/12/01  
10/016210  
H0780 U.S. PRO

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code 2 (if known)			
ajm	1	5,549,931		Dattatraya et al.	08/27/1996	
	2	5,376,475		Ovshinsky et al.	12/27/1994	
	3	5,702,970		Choi	12/30/1997	
	4	5,576,925		Gorowitz et al.	11/19/1996	
	5	5,616,429		Klementowski	04/01/1997	
	6	5,569,558		Takeuchi et al.	10/29/1996	
	7	5,716,422		Muffoletto et al.	02/10/1998	
	8	6,110,622		Frysz et al.	08/29/2000	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. 1	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T6
		Office3	Number4 (if known)				
ajm	9		WO 95/05499	Imperial Chemical Industries	02/23/1995		
	10		EP 0 878 857 A1	Katayama Special Industries Ltd.	11/18/1998		
ajm	11		0 582 844 A1		07/12/1993		
	12		0 446 584 A1	General Electric Company	09/18/1991		

Examiner Signature		Date Considered	9/03
--------------------	---	-----------------	------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

BFLODOCS: 631707

Please type a plus sign inside this box +

PTO/SB/08B(08/00)

Approved for use through 10/31/2002, OMB 0651-0031

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number		
				Filing Date		12/12/2001
				First Named Inventor		Muffoletto et al.
				Group Art Unit		1745
				Examiner Name		A. Martin
Sheet	4	of	4	Attorney Docket Number		04645.1002

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
gm	13	Thin Film Technology - Chapter 5 - Chemical Methods of Film Formation, pages 255-287	
	14	D.R. ROLISON, K. KUO, M. UMANA, D. BRUNDAGE, AND ROYCE W. MURRAY, Properties of RuOx Working Electrodes in Nonaqueous Solvents, Kenan Laboratories of Chemistry, University of North Carolina, Chapel Hill, North Carolina.	
	15	JOHN M. BLOCHER, JR., Vapor-Deposited Materials, edited by Carroll F. Powell, Joseph H. Oxley, John M. Blocher, JR., Battelle Memorial Institute, Columbus, Ohio, sponsored by The Electrochemical Society, Inc., New York, New York.	
	16	L.L. CHANG, L. ESAKI, W.E. HOWARD, R. LUDEKE, AND G. SCHUL, Structures Grown by Molecular Beam Epitaxy, IBM Thomas J. Watson Research Center, Yorktown Heights, New York.	
	17	P. BIRK and W. WEPPNER, Electrochemical analysis of thin film electrolytes and electrodes for application in rechargeable all solid state lithium microbatteries, Chair for Sensor and Solid State Ionics, Christian-Albrechts-University, Kaiserstr. 2, D-24143 Kiel, Germany	
	18	T. BROUSSE, R. MARCHAND, O RAYMOND, P FRAGNAUD, L. HEIDER and D.M. SCHLEICH, Preparation Of All-Oxide Lithium Ion Microbatteries, ISITEM, Laboratoire de genie des Materiaux, rue Christian Pauc, BP, T. H. Darmstadt, Thin Film Section, Material Science Dept. Petersen Str. 23, Darmstadt, Germany.	
	19	Patent Abstracts of Japan, 11017126, SHARP CORP., Deposition Of Ferroelectric Film and Ferroelectric Capacitor Element.	
gm	20	Patent Abstracts of Japan, 09235118, MURATA MFG CO LTD, Titanium Oxide Film	

Examiner Signature		Date Considered	9/03
--------------------	---	-----------------	------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English Translation is attached.

Burden Hour Statement: The form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send to the Assistant Commissioner for Patents, Washington, DC 20231.

BFLODOCS: 631707